

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
15 February 2001 (15.02.2001)

PCT

(10) International Publication Number
WO 01/10993 A1

(51) International Patent Classification⁷: C11D 3/20, 17/00

TCHEOU, Eric [FR/BE]; 45, rue des Commerçants, B-1000 Brussels (BE). INGRAM, David, William [GB/BE]; 54, rue du Lac, B-1000 Brussels (BE).

(21) International Application Number: PCT/US00/21570

(22) International Filing Date: 8 August 2000 (08.08.2000)

(74) Agents: REED, T., David et al.; The Procter & Gamble Company, 5299 Spring Grove Avenue, Cincinnati, OH 45217-1087 (US).

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:

60/148,056	10 August 1999 (10.08.1999)	US
60/150,233	23 August 1999 (23.08.1999)	US
60/156,339	27 September 1999 (27.09.1999)	US
60/156,340	27 September 1999 (27.09.1999)	US
60/188,123	9 March 2000 (09.03.2000)	US

(81) Designated States (*national*): AE, AG, AL, AM, AT, AT (utility model), AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, CZ (utility model), DE, DE (utility model), DK, DK (utility model), DM, DZ, EE, EE (utility model), ES, FI, FI (utility model), GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KR (utility model), KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SK (utility model), SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.

(71) Applicant (*for all designated States except US*): THE PROCTER & GAMBLE COMPANY [US/US]; One Procter & Gamble Plaza, Cincinnati, OH 45202 (US).

(84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

(72) Inventors; and

(75) Inventors/Applicants (*for US only*): BOUTIQUE, Jean-Pol [BE/BE]; 32, rue Emile Labarre, B-5030 Gembloux (BE). BROECKX, Walter, August, Maria [BE/BE]; Oude Kouterdreef 166, B-9240 Zele (BE). COOSEMANS, Steven, Jozef, Louis [BE/BE]; Terloonstraat 25, B-1910 Kampenhout (BE). GUALCO, Lorenzo, Matteo, Pierre [BE/BE]; Vijverstraat 25, B-1853 Strombeek-Bever (BE). JOHNSTON, James, Pyott [GB/BE]; St. Guduladreef 11, B-1785 Merchtem (BE).

Published:

— With international search report.

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: DETERGENT COMPOSITIONS COMPRISING HYDROTROPES

(57) Abstract: The present invention relates to detergent compositions, especially liquid, granular and tablet forms of laundry detergent compositions, that comprise improved hydrotropes, wherein the hydrotropes are organic molecules in which two polar groups are separated from each other by at least 5 aliphatic carbon atoms; liquid compositions that contain such hydrotropes have a viscosity, dilution profile and dissolution behavior that render the product effective and convenient for use as a liquid laundry detergent composition.

WO 01/10993 A1